

## SPECTRAL FILTER

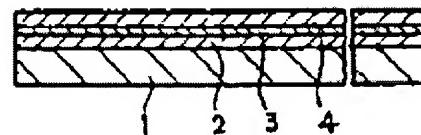
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### Abstract of JP1310302

**PURPOSE:** To obviate the generation of a large difference in hue between incident light as well as transmitted light and reflected light by successively laminating a metallic film and dielectric film having prescribed film thicknesses on one face of a transparent base body and confining the fluctuation in the visibly ray transmittance to a prescribed value or below.

**CONSTITUTION:** The thin dielectric film 2, the thin metallic film 3 having 50-250A film thickness and the thin dielectric film 4 having 300-1,500A film thickness are successively laminated on one face of the transparent base body 1. The fluctuation in the entire region of 400-800nm visible region of visible ray transmittance is confined to <=+ or -15% of the central value, i.e. (max. transmittance+min.transmittance)X1/2 and the fluctuation of visible ray reflectivity is confined to <=+ or -15% of the central value, i.e. (max. reflectivity+min. reflectivity)X1/2. The incident light is separated to the transmitted light and the reflected light in such a manner. The spectral filter which decreases the absorption loss of light and can bisect the incident light nearly to the transmitted light and the reflected light is obtd.



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